

## **ABSTRACT**

An audio and video signal cable consisting of solid conductors of different cross-sectional areas that are parallel arrayed, and after each conductor is insulated, all are surrounded in an insulation, wherein the conductor structure is composed of numerous wires of unequal cross-sectional areas that are furthermore individually insulated. Tinsel, enamel covered wire, or 100% fiber covered copper are utilized for conductors of smaller cross-sectional area, which not only reduces cable outer diameter and increases tensile strength, but also effectively benefits skin effect and enhances high frequency transmission, while larger cross-sectional area conductors facilitate rapid low frequency passage. As such, the present invention is capable of high- and low-frequency band phase synchronicity as well as optimal balance across all frequencies.